

# CVWO 22/23 Assignment

## Accomplishments

Working on this project has been very rewarding to me and increased my confidence in web development. After spending a month working on it, I am proud to say that I have learnt many new technologies and frameworks that I can use for future projects as well. Many challenges presented themselves over the course of the month but I welcome each of them as they gave me the chance to improve and potentially learn something new. The process was very fulfilling and I felt my heart be full.

Overall, I am happy with the app I have made as I believe it reflects the amount of effort, I have put into it.

## User manual

Users are required to register an account to access the websites content. To see the website demo and use cases you may watch this [video](#).

- 1) Head over to OneNUS at: <https://app.onenus.link/>
- 2) Login / register a new account.
- 3) Read and accept the website's rules of use.
- 4) Viewing of existing posts. Users will be redirected to a list view which displays all created posts. Posts can be filtered based on their flair. There are currently 4 available posts flairs:
  - a. General – Any posts can have this flair.
  - b. CS – Any posts related to computer science.
  - c. Life – Any posts related to life.
  - d. Misc – Any posts that doesn't fall in the above categories.

These posts flairs are merely suggestions and are not strictly enforced. Posts can be also sorted based on 3 categories:

- a. Hot – sorted by replies count.
- b. New – sorted by creation time.
- c. Recent – sorted by latest comments.

Posts can also be ordered either by descending (default) or ascending based on the sort category selected above.

- 5) Viewing a post and its comments. Users can view a specific post content as well as its replies by clicking on it from the posts list.
- 6) Creating a new comment. Users can create a new comment for a specific post by typing in their desired comment and pressing the **Comment** button.
- 7) Creating a new post. Users can create a new post by pressing the **+ New Post**. Users can enter their post title and body as well as select their desired post flair.
- 8) Editing a post and comment. Users can edit posts and comments that are created by them by clicking on the Edit Icon button found on the right of the post / comment.

## Future considerations

- 1) I would like to have utilized Docker for my local development as well as deployment as it would have streamlined the workflow needed to push changes to my backend deployed on my AWS EC2.
- 2) I would like to redesign my client state that I am using and perhaps better integrate it with the server state (this is currently being managed by React Query). An alternative I considered was to manage server state using Redux as well using RTK Query as the api cache abstraction over React Query but I dismissed the idea as I had already started working on the project using React Query.